

Please rewrite the claims as follows: (A clean version of the amended claims are provided immediately below. Provided as an attachment to this amendment is a marked-up version of the prior pending claims with all changes shown.)

Please amend the claims as follows:

CLAIM 7 (amended)

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- 1 An apparatus comprising:
- 2 a solution containing anthracene;
- 3 *D1* a polymer disposed in said solution, said polymer having the characteristic of changing its
- 4 volume in response to a change in pH; and
- 5 a source of visible light for irradiating said solution with light of a wavelength and of an
- 6 intensity to establish a pH change in said solution so that when said solution is irradiated with
- 7 said visible light said polymer undergoes a change in volume, said light causing said anthracene
- 8 to phosphoresce.
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CLAIM 34 (amended)

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- 1 An apparatus comprising:
- 2 *D2* a solution containing protonated anthracene; and
- 3 a polyelectrolyte fiber disposed in said solution.
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Please cancel claim 36.